

Converting Colors

$Y_{xy}(10.2424, 0.2160, 0.1621)$

Have a look what the booklet for
Yxy(10.2424, 0.2160, 0.1621)
contains.

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Color

Yxy(10.2359, 0.2159, 0.1621)

Conversions

Conversions Part 1

Format	Color
Hex	544EAA
RGB	84, 78, 170
RGB Percent	33%, 31%, 67%
CMY	0.6707, 0.6941, 0.3334
CMYK	0.51, 0.54, 0.00, 0.33
HSL	244°, 37%, 49%
HSV	244°, 54%, 67%
XYZ	13.6331, 10.2359, 39.2766
YIQ	90.2820, -25.9560, 29.8840

Conversions

Conversions Part 2

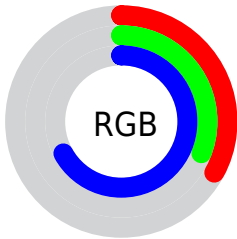
Format	Color
R_{YB}	84, 78, 170
Decimal	5525162
CIE _{Lab}	38.26, 27.84, -48.81
CIE _{LCh}	38, 56.196, 299.698
Yxy	10.2359, 0.2159, 0.1621
Android (android.graphics.Color)	4283715242 (0xFF544EAA)
YUV	90.2820, 39.3010, -5.5093
Hunter-Lab	31.9936, 20.0738, -50.3912

Details

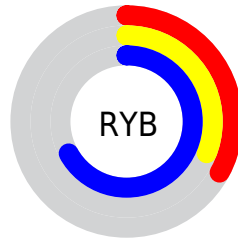
The Yxy color **10.2359, 0.2159, 0.1621** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **37.1854, 0.3835, 0.4591**, and the grayscale version is **10.2054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1587, 0.2395, 0.1960**, and **2.5542, 0.1728, 0.1075** is the 20% darker color. If you saturate the color by 10%, you get **7.4728, 0.1962, 0.1296**, and if you desaturate by 10%, it is **13.7903, 0.2364, 0.1965**.

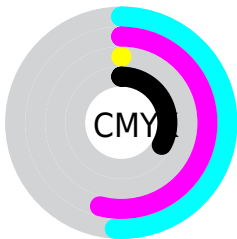
Distribution



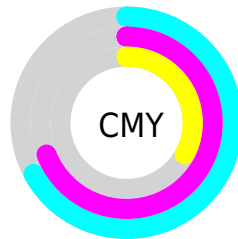
- Red (33%)
- Green (31%)
- Blue (67%)



- Red (33%)
- Yellow (31%)
- Blue (67%)



- Cyan (51%)
- Magenta (54%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (69%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2359, 0.2159, 0.1621 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.2359, 0.2159, 0.1621 by changing the saturation by 10% instead.

■ 10.2359, 0.2159,
0.1621

■ 10.2359, 0.2159,
0.1621

■ 192.3475, 0.2746,
0.2533

■ 5.5556, 0.1978,
0.1383

■ 26.2383, 0.2398,
0.1965

■ 2.5768, 0.1729,
0.1084

■ 38.3292, 0.2480,
0.2091

■ 0.9150, 0.1377,
0.0714

■ 53.6591, 0.2546,
0.2196

■ 0.0000, 0.0845,
0.0000

■ 72.6124, 0.2601,
0.2285

■ 0.0000, 0.0000,
0.0000

■ 95.5735, 0.2646,
0.2361

122.9268, 0.2684,

0.2426

155.0567, 0.2717,
0.2483

■ 10.2359, 0.2159,
0.1621

■ 10.2359, 0.2159,
0.1621

■ 7.4728, 0.1962,
0.1296

■ 13.7903, 0.2364,
0.1965

■ 5.4394, 0.1788,
0.1015

■ 18.1893, 0.2564,
0.2306

■ 4.0667, 0.1650,
0.0800

■ 23.4827, 0.2751,
0.2629

■ 3.2720, 0.1557,
0.0665

■ 29.7160, 0.2921,
0.2926

■ 2.9728, 0.1522,
0.0612

■ 36.9318, 0.3071,
0.3190

■ 45.1701, 0.3202,
0.3424

■ 54.4684, 0.3316,
0.3627

■ 64.8627, 0.3413,
0.3803

■ 76.3870, 0.3496,
0.3956

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.2359, 0.1477, 0.1560



10.2359, 0.2159, 0.1621



10.2359, 0.3292, 0.1968

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.2359, 0.2159, 0.1621



10.2359, 0.5443, 0.4063



10.2359, 0.1670, 0.4008

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.2359, 0.2159, 0.1621



37.1854, 0.3835, 0.4591

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.2359, 0.2569, 0.5430



10.2359, 0.2159, 0.1621



10.2359, 0.4721, 0.4948

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.2359, 0.2159, 0.1621



10.2359, 0.5493, 0.3272



10.2359, 0.3674, 0.5653



10.2359, 0.1223, 0.2598

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.2359, 0.2159, 0.1621



10.2359, 0.4202, 0.2339



10.2359, 0.3674, 0.5653



10.2359, 0.1926, 0.4551

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.2362, 0.2159, 0.1621



51.3081, 0.2885, 0.2863



31.5695, 0.2432, 0.3210



10.9253, 0.2852, 0.2805



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.2362, 0.2159, 0.1621



12.6912, 0.1924, 0.1233



12.9877, 0.2654, 0.1817



7.3229, 0.2996, 0.3057



2.1969, 0.1526, 0.0614



0.0605, 0.1642, 0.0678

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.6752, 0.3264, 0.2094



25.6831, 0.3298, 0.1894



33.2419, 0.3390, 0.4815



7.6581, 0.3147, 0.3082



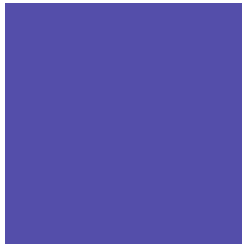
8.1303, 0.3376, 0.1633



0.2002, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 10.2359, 0.2159, 0.1621 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.2359, 0.2159, 0.1621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

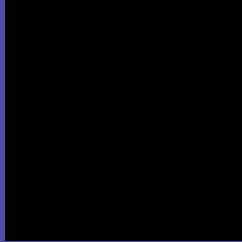
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.2359, 0.2159, 0.1621

Background



This preview shows how black text looks on a background with the Yxy color 10.2359, 0.2159, 0.1621.



This preview shows how white text looks on a background with the Yxy color 10.2359, 0.2159, 0.1621.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.2359, 0.2159, 0.1621

Protanopia

10.3179, 0.1812, 0.1555

Deuteranopia

10.2629, 0.1840, 0.1825



Tritanopia

10.2205, 0.2590, 0.3082

Trichromacy



Original Color

10.2359, 0.2159, 0.1621

Protanomaly

10.1036, 0.1889, 0.1561

Deuteranomaly

9.8243, 0.1872, 0.1708

Tritanomaly

10.0167, 0.2410, 0.2413

Monochromacy



Original Color

10.2359, 0.2159, 0.1621

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.0622, 0.2699, 0.2542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2359, 0.2159, 0.1621 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(84, 78, 170)` looks like.

```
.text, #text, p{  
    color:rgb(84, 78, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(84, 78, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 78, 170) }
```

Border

The CSS property to change the border of an element to Yxy 10.2359, 0.2159, 0.1621 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 78, 170) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(84, 78, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(84, 78, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 78, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 78, 170);  
box-shadow:4px 4px 4px 4px rgb(84, 78,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2359, 0.2159, 0.1621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 78, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(84, 78,  
170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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